

**PRODUCTION OF ULTRAHIGH-MOLECULAR-WEIGHT POLYETHYLENE**

**Patent number:** JP7118326  
**Publication date:** 1995-05-09  
**Inventor:** KAWASHIMA RIICHIRO; NAKAMURA HIROFUMI;  
IWADE SHINJI  
**Applicant:** MITSUBISHI CHEM CORP  
**Classification:**  
- **international:** C08F4/69; C08F10/02  
- **european:**  
**Application number:** JP19930290059 19931026  
**Priority number(s):** JP19930290059 19931026

**Abstract of JP7118326**

**PURPOSE:**To produce an ultrahigh-mol.-wt. polyethylene using a new catalyst system different from those conventionally used. **CONSTITUTION:**A granular or powdered ultrahigh-mol.-wt. polyethylene having a wt. average mol.wt. of  $1 \times 10^6$  or higher and a density of 0.930-0.950g/cm<sup>3</sup> is obtd. by polymerizing ethylene at 70 deg.C or lower in the presence of a catalyst contg. at least a chromium compd., an amine or a metal amide, and an alkylaluminum compd.

---

Data supplied from the **esp@cenet** database - Worldwide